

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075790.D
 Acq On : 24 Apr 2023 12:32
 Operator : KP/SY
 Sample : VD0424SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Apr 24 16:08:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	219328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	367295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	338859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	166509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	99978	48.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.040%
35) Dibromofluoromethane	7.810	113	125892	50.960	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.920%
50) Toluene-d8	10.269	98	493064	49.840	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.680%
62) 4-Bromofluorobenzene	12.575	95	135537	51.544	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.080%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	40985	20.111	ug/l	97
3) Chloromethane	2.146	50	63067	17.139	ug/l	97
4) Vinyl Chloride	2.281	62	84814	17.369	ug/l	99
5) Bromomethane	2.681	94	65023	17.055	ug/l	98
6) Chloroethane	2.834	64	56804	17.278	ug/l	95
7) Trichlorofluoromethane	3.175	101	76727	20.279	ug/l	95
8) Diethyl Ether	3.593	74	21551	18.301	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.964	101	49415	20.827	ug/l	94
10) Methyl Iodide	4.164	142	60837	18.736	ug/l #	89
11) Tert butyl alcohol	5.046	59	9782	93.624	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	50122	20.403	ug/l #	81
13) Acrolein	3.793	56	15719	74.586	ug/l	98
14) Allyl chloride	4.558	41	43726	19.544	ug/l #	78
15) Acrylonitrile	5.258	53	42102	95.724	ug/l	98
16) Acetone	4.022	43	36544	95.817	ug/l	92
17) Carbon Disulfide	4.269	76	141368	17.585	ug/l	100
18) Methyl Acetate	4.564	43	25984	20.203	ug/l #	70
19) Methyl tert-butyl Ether	5.316	73	88765	18.618	ug/l	99
20) Methylene Chloride	4.805	84	88540	27.980	ug/l #	68
21) trans-1,2-Dichloroethene	5.311	96	55471	18.959	ug/l #	68
22) Diisopropyl ether	6.216	45	103721	20.516	ug/l #	86
23) Vinyl Acetate	6.158	43	230014	97.954	ug/l #	86
24) 1,1-Dichloroethane	6.116	63	82708	19.743	ug/l	98
25) 2-Butanone	7.081	43	48224	98.203	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	72050	18.971	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	62236	19.203	ug/l	80
28) Bromochloromethane	7.428	49	26832	20.263	ug/l #	44
29) Tetrahydrofuran	7.446	42	25523	95.043	ug/l #	55
30) Chloroform	7.599	83	93118	19.608	ug/l	96
31) Cyclohexane	7.881	56	60902	18.642	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	77467	20.005	ug/l	96
36) 1,1-Dichloropropene	8.010	75	68525	20.106	ug/l	94
37) Ethyl Acetate	7.169	43	20582	19.844	ug/l #	80
38) Carbon Tetrachloride	7.993	117	62254	20.743	ug/l	99
39) Methylcyclohexane	9.275	83	77579	19.685	ug/l	92
40) Benzene	8.252	78	209159	19.741	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.410	41	11239	22.581	ug/l	#	72
42) 1,2-Dichloroethane	8.328	62	48228	20.041	ug/l		88
43) Isopropyl Acetate	8.363	43	38288	20.244	ug/l	#	82
44) Trichloroethene	9.028	130	60896	20.309	ug/l		93
45) 1,2-Dichloropropane	9.305	63	48720	20.520	ug/l	#	88
46) Dibromomethane	9.393	93	29048	19.285	ug/l		94
47) Bromodichloromethane	9.587	83	69884	20.283	ug/l		97
48) Methyl methacrylate	9.381	41	17384	20.631	ug/l	#	66
49) 1,4-Dioxane	9.393	88	6052	404.979	ug/l	#	74
51) 4-Methyl-2-Pentanone	10.157	43	97302	96.491	ug/l	#	80
52) Toluene	10.334	92	137221	19.477	ug/l		96
53) t-1,3-Dichloropropene	10.557	75	60905	18.440	ug/l		99
54) cis-1,3-Dichloropropene	10.016	75	75569	19.257	ug/l	#	75
55) 1,1,2-Trichloroethane	10.734	97	41159	18.873	ug/l		92
56) Ethyl methacrylate	10.599	69	38745	18.052	ug/l	#	67
57) 1,3-Dichloropropane	10.881	76	64602	19.512	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	92177	100.003	ug/l	#	86
59) 2-Hexanone	10.922	43	67894	95.756	ug/l		76
60) Dibromochloromethane	11.075	129	47911	18.774	ug/l		99
61) 1,2-Dibromoethane	11.181	107	39448	18.962	ug/l		97
64) Tetrachloroethene	10.810	164	50565	20.720	ug/l		95
65) Chlorobenzene	11.610	112	151446	20.866	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.687	131	51850	20.780	ug/l		96
67) Ethyl Benzene	11.687	91	240961	20.457	ug/l		96
68) m/p-Xylenes	11.793	106	200969	41.631	ug/l		92
69) o-Xylene	12.122	106	89946	20.606	ug/l		91
70) Styrene	12.140	104	157999	19.990	ug/l		92
71) Bromoform	12.304	173	28370	21.751	ug/l	#	96
73) Isopropylbenzene	12.422	105	229198	20.973	ug/l		99
74) N-amyl acetate	12.234	43	33410	20.806	ug/l	#	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	44501	20.963	ug/l		98
76) 1,2,3-Trichloropropane	12.722	75	30453m	22.427	ug/l		
77) Bromobenzene	12.704	156	59763	21.213	ug/l		88
78) n-propylbenzene	12.763	91	284718	21.255	ug/l		97
79) 2-Chlorotoluene	12.851	91	156113	20.548	ug/l		91
80) 1,3,5-Trimethylbenzene	12.904	105	192462	21.126	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.475	75	12840	20.495	ug/l	#	71
82) 4-Chlorotoluene	12.951	91	159643	20.208	ug/l		89
83) tert-Butylbenzene	13.169	119	160275	20.865	ug/l		93
84) 1,2,4-Trimethylbenzene	13.216	105	190472	20.836	ug/l		93
85) sec-Butylbenzene	13.345	105	251060	21.186	ug/l		97
86) p-Isopropyltoluene	13.463	119	207125	20.995	ug/l		95
87) 1,3-Dichlorobenzene	13.463	146	123760	21.116	ug/l		97
88) 1,4-Dichlorobenzene	13.540	146	119988	20.722	ug/l		97
89) n-Butylbenzene	13.793	91	184133	20.263	ug/l		98
90) Hexachloroethane	14.057	117	39992	20.403	ug/l		95
91) 1,2-Dichlorobenzene	13.834	146	105569	21.027	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5983	21.024	ug/l		86
93) 1,2,4-Trichlorobenzene	15.104	180	57996	19.856	ug/l		96
94) Hexachlorobutadiene	15.204	225	29310	20.994	ug/l		97
95) Naphthalene	15.334	128	101511	18.344	ug/l		98
96) 1,2,3-Trichlorobenzene	15.522	180	50990	19.834	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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