

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076849.D
 Acq On : 28 Jul 2023 12:32
 Operator : KP/SY
 Sample : VD0728SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0728SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 23:01:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	163968	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	294702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	275191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77536	47.476	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.960%		
35) Dibromofluoromethane	7.804	113	93494	50.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.960%		
50) Toluene-d8	10.269	98	311174	46.969	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.940%		
62) 4-Bromofluorobenzene	12.574	95	101981	47.583	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	25797	20.119	ug/l	91
3) Chloromethane	2.146	50	41746	18.874	ug/l	100
4) Vinyl Chloride	2.275	62	58158	19.725	ug/l	99
5) Bromomethane	2.669	94	47682	19.655	ug/l	97
6) Chloroethane	2.822	64	42382	19.038	ug/l	96
7) Trichlorofluoromethane	3.157	101	54175	20.649	ug/l	95
8) Diethyl Ether	3.587	74	17186	19.026	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.951	101	37255	21.603	ug/l	95
10) Methyl Iodide	4.157	142	35326	18.171	ug/l	91
11) Tert butyl alcohol	5.057	59	14001	114.885	ug/l	97
12) 1,1-Dichloroethene	3.922	96	31339	19.342	ug/l	92
13) Acrolein	3.793	56	8750	105.359	ug/l	93
14) Allyl chloride	4.545	41	42366	19.905	ug/l	91
15) Acrylonitrile	5.257	53	47229	106.456	ug/l	98
16) Acetone	4.028	43	40652	104.226	ug/l #	86
17) Carbon Disulfide	4.257	76	62184	16.432	ug/l	98
18) Methyl Acetate	4.557	43	34099	23.269	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	87517	20.142	ug/l	96
20) Methylene Chloride	4.793	84	69477	24.704	ug/l #	88
21) trans-1,2-Dichloroethene	5.310	96	37594	19.961	ug/l	97
22) Diisopropyl ether	6.216	45	105354	20.903	ug/l	98
23) Vinyl Acetate	6.151	43	236242m	94.732	ug/l	
24) 1,1-Dichloroethane	6.104	63	72413	21.309	ug/l	99
25) 2-Butanone	7.087	43	58016	111.141	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	61806	21.099	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	46152	19.878	ug/l	89
28) Bromochloromethane	7.428	49	19038	22.408	ug/l	84
29) Tetrahydrofuran	7.451	42	32164	104.286	ug/l	95
30) Chloroform	7.592	83	80474	21.621	ug/l	99
31) Cyclohexane	7.875	56	42801	17.808	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	64757	21.564	ug/l	96
36) 1,1-Dichloropropene	7.998	75	50329	20.797	ug/l	94
37) Ethyl Acetate	7.169	43	23389	21.612	ug/l	98
38) Carbon Tetrachloride	7.992	117	48042	20.733	ug/l	92
39) Methylcyclohexane	9.269	83	51947	18.591	ug/l	97
40) Benzene	8.251	78	156587	20.508	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	14286	21.617	ug/l	92
42) 1,2-Dichloroethane	8.322	62	45237	22.801	ug/l	98
43) Isopropyl Acetate	8.357	43	45819	21.694	ug/l	91
44) Trichloroethene	9.028	130	42806	20.573	ug/l	99
45) 1,2-Dichloropropane	9.298	63	42557	21.591	ug/l	99
46) Dibromomethane	9.392	93	24827	21.519	ug/l	91
47) Bromodichloromethane	9.581	83	63118	21.801	ug/l	99
48) Methyl methacrylate	9.381	41	18228	18.962	ug/l #	87
49) 1,4-Dioxane	9.392	88	6160	416.737	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	123520	109.840	ug/l	93
52) Toluene	10.333	92	100137	19.968	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	55531	20.664	ug/l #	88
54) cis-1,3-Dichloropropene	10.016	75	67606	21.346	ug/l #	90
55) 1,1,2-Trichloroethane	10.733	97	35782	21.239	ug/l	96
56) Ethyl methacrylate	10.598	69	39548	20.338	ug/l	92
57) 1,3-Dichloropropane	10.875	76	57964	21.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	89491	118.898	ug/l	96
59) 2-Hexanone	10.922	43	88427	110.202	ug/l	90
60) Dibromochloromethane	11.075	129	40937	20.917	ug/l	90
61) 1,2-Dibromoethane	11.180	107	32083	20.541	ug/l	96
64) Tetrachloroethene	10.810	164	33725	21.492	ug/l	93
65) Chlorobenzene	11.604	112	116259	21.006	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.680	131	44335	21.516	ug/l	95
67) Ethyl Benzene	11.680	91	196182	20.183	ug/l	93
68) m/p-Xylenes	11.792	106	150471	40.308	ug/l	89
69) o-Xylene	12.122	106	73307	20.307	ug/l	95
70) Styrene	12.133	104	127454	20.169	ug/l	98
71) Bromoform	12.298	173	24527	21.733	ug/l #	100
73) Isopropylbenzene	12.422	105	193592	20.956	ug/l	96
74) N-amyl acetate	12.233	43	40857	20.993	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.674	83	45030	22.702	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	27192m	22.456	ug/l	
77) Bromobenzene	12.704	156	45492	21.334	ug/l	85
78) n-propylbenzene	12.763	91	236344	21.103	ug/l	95
79) 2-Chlorotoluene	12.845	91	131336	21.387	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	155969	20.880	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	12418	21.825	ug/l	98
82) 4-Chlorotoluene	12.945	91	135562	21.131	ug/l	96
83) tert-Butylbenzene	13.163	119	136910	20.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	157536	20.637	ug/l	96
85) sec-Butylbenzene	13.345	105	214128	21.309	ug/l	95
86) p-Isopropyltoluene	13.457	119	169801	20.460	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	91193	20.792	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	92554	21.538	ug/l	97
89) n-Butylbenzene	13.786	91	161318	19.865	ug/l	98
90) Hexachloroethane	14.051	117	36546	23.820	ug/l	83
91) 1,2-Dichlorobenzene	13.833	146	84149	21.773	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5885	20.809	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	48476	20.545	ug/l	96
94) Hexachlorobutadiene	15.204	225	23814	20.986	ug/l	98
95) Naphthalene	15.333	128	114031	22.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.515	180	44045	20.802	ug/l	98

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

