

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091923\
 Data File : VD077145.D
 Acq On : 19 Sep 2023 14:39
 Operator : JC/SY
 Sample : VD0919SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0919SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/20/2023
 Supervised By :Semsettin Yesilyurt 09/20/2023

Quant Time: Sep 20 02:01:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	235258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	394376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	367192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	187347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87206	36.730	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.460%
35) Dibromofluoromethane	7.804	113	98683	36.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	72.040%
50) Toluene-d8	10.269	98	364437	37.377	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.760%
62) 4-Bromofluorobenzene	12.575	95	113372	37.515	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	54011	22.216	ug/l	98
3) Chloromethane	2.146	50	88765	19.751	ug/l	98
4) Vinyl Chloride	2.281	62	100174	20.837	ug/l	95
5) Bromomethane	2.675	94	71990	20.561	ug/l	96
6) Chloroethane	2.828	64	66908	22.367	ug/l	97
7) Trichlorofluoromethane	3.169	101	95621	22.006	ug/l	98
8) Diethyl Ether	3.593	74	25354	18.079	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.963	101	55187	20.314	ug/l	98
10) Methyl Iodide	4.163	142	75644	19.481	ug/l	92
11) Tert butyl alcohol	5.040	59	18985m	140.246	ug/l	
12) 1,1-Dichloroethene	3.940	96	53744	19.638	ug/l	95
13) Acrolein	3.793	56	14190	144.993	ug/l	95
14) Allyl chloride	4.558	41	64582	19.342	ug/l	93
15) Acrylonitrile	5.246	53	58724	99.860	ug/l	99
16) Acetone	4.016	43	55374	102.045	ug/l #	81
17) Carbon Disulfide	4.263	76	169824	18.850	ug/l	99
18) Methyl Acetate	4.558	43	40586	19.779	ug/l	92
19) Methyl tert-butyl Ether	5.310	73	115244	19.461	ug/l	93
20) Methylene Chloride	4.799	84	99220	25.130	ug/l	91
21) trans-1,2-Dichloroethene	5.305	96	62278	18.825	ug/l	97
22) Diisopropyl ether	6.216	45	142140	18.828	ug/l	95
23) Vinyl Acetate	6.152	43	294541m	97.593	ug/l	
24) 1,1-Dichloroethane	6.110	63	103911	19.178	ug/l	96
25) 2-Butanone	7.081	43	72914	102.135	ug/l	91
26) 2,2-Dichloropropane	7.075	77	92370	20.084	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	67678	18.198	ug/l	93
28) Bromochloromethane	7.422	49	32127	19.309	ug/l	88
29) Tetrahydrofuran	7.440	42	40531	97.118	ug/l	91
30) Chloroform	7.593	83	109770	18.798	ug/l	95
31) Cyclohexane	7.869	56	81022	19.506	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	97228	19.947	ug/l	96
36) 1,1-Dichloropropene	8.004	75	81366	19.723	ug/l	98
37) Ethyl Acetate	7.163	43	30712	19.404	ug/l	97
38) Carbon Tetrachloride	7.987	117	82579	20.366	ug/l	97
39) Methylcyclohexane	9.269	83	90429	19.051	ug/l	91
40) Benzene	8.251	78	245216	19.212	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	14937	17.681	ug/l	93
42) 1,2-Dichloroethane	8.322	62	61013	19.281	ug/l	97
43) Isopropyl Acetate	8.357	43	58943	20.226	ug/l	94
44) Trichloroethene	9.028	130	66794	18.908	ug/l	90
45) 1,2-Dichloropropane	9.304	63	58725	18.943	ug/l	99
46) Dibromomethane	9.393	93	35287	19.588	ug/l	93
47) Bromodichloromethane	9.581	83	82799	19.019	ug/l	99
48) Methyl methacrylate	9.381	41	26715	20.175	ug/l	83
49) 1,4-Dioxane	9.381	88	7027	432.137	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	152717	100.202	ug/l	91
52) Toluene	10.334	92	155118	18.997	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	77471	19.048	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	91019	18.679	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	45420	18.537	ug/l	97
56) Ethyl methacrylate	10.598	69	50377	19.137	ug/l	90
57) 1,3-Dichloropropane	10.881	76	78787	19.863	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	60631	67.071	ug/l	98
59) 2-Hexanone	10.922	43	107821	98.599	ug/l	92
60) Dibromochloromethane	11.075	129	57480	19.153	ug/l	97
61) 1,2-Dibromoethane	11.181	107	45370	19.154	ug/l	99
64) Tetrachloroethene	10.810	164	55329	19.367	ug/l	87
65) Chlorobenzene	11.610	112	166405	19.264	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	60686	19.203	ug/l	96
67) Ethyl Benzene	11.681	91	281991	18.993	ug/l	97
68) m/p-Xylenes	11.792	106	228165	38.381	ug/l	93
69) o-Xylene	12.122	106	103099	18.895	ug/l	90
70) Styrene	12.134	104	180605	19.428	ug/l	98
71) Bromoform	12.298	173	34706	19.812	ug/l #	96
73) Isopropylbenzene	12.422	105	268573	19.401	ug/l	97
74) N-amyl acetate	12.234	43	52163	20.060	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	54024	20.680	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	35596m	23.819	ug/l	
77) Bromobenzene	12.698	156	64959	18.846	ug/l	92
78) n-propylbenzene	12.763	91	329375	19.466	ug/l	96
79) 2-Chlorotoluene	12.851	91	180375	19.331	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	222006	19.203	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	17256	21.856	ug/l	96
82) 4-Chlorotoluene	12.945	91	191796	19.557	ug/l	97
83) tert-Butylbenzene	13.169	119	189241	19.159	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	225924	19.272	ug/l	96
85) sec-Butylbenzene	13.345	105	287085	19.369	ug/l	98
86) p-Isopropyltoluene	13.463	119	240428	19.122	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	135151	19.065	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	133260	19.106	ug/l	97
89) n-Butylbenzene	13.786	91	224492	19.354	ug/l	97
90) Hexachloroethane	14.051	117	47836	19.183	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	114287	18.804	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7443	21.337	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	69474	18.528	ug/l	99
94) Hexachlorobutadiene	15.204	225	39045	19.650	ug/l	98
95) Naphthalene	15.333	128	129213	18.792	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	62958	18.889	ug/l	98

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

