

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077968.D
 Acq On : 19 Dec 2023 12:28
 Operator : RP/MD
 Sample : VD1219SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 02:01:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	120231	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	204951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	185913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	100840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72988	51.518	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.040%			
35) Dibromofluoromethane	7.804	113	78295	54.538	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.080%			
50) Toluene-d8	10.269	98	300672	52.292	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.580%			
62) 4-Bromofluorobenzene	12.575	95	90448	52.615	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	29363	19.551	ug/l	94
3) Chloromethane	2.152	50	37893	18.510	ug/l	95
4) Vinyl Chloride	2.293	62	54405	19.576	ug/l	99
5) Bromomethane	2.699	94	39623	25.408	ug/l	94
6) Chloroethane	2.846	64	41504	21.905	ug/l	97
7) Trichlorofluoromethane	3.181	101	53424	20.872	ug/l	99
8) Diethyl Ether	3.593	74	14191	19.744	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	31209	21.313	ug/l	96
10) Methyl Iodide	4.163	142	24477	23.242	ug/l	91
11) Tert butyl alcohol	5.057	59	7317m	100.508	ug/l	
12) 1,1-Dichloroethene	3.946	96	28787	19.919	ug/l	86
13) Acrolein	3.793	56	8117	54.162	ug/l	94
14) Allyl chloride	4.563	41	36419	18.322	ug/l	88
15) Acrylonitrile	5.263	53	29695	96.497	ug/l	96
16) Acetone	4.022	43	40561	115.495	ug/l	94
17) Carbon Disulfide	4.281	76	78573	16.070	ug/l	100
18) Methyl Acetate	4.569	43	20010	17.934	ug/l	92
19) Methyl tert-butyl Ether	5.328	73	61230	19.969	ug/l	94
20) Methylene Chloride	4.816	84	38617	20.122	ug/l	90
21) trans-1,2-Dichloroethene	5.316	96	32752	20.008	ug/l	86
22) Diisopropyl ether	6.216	45	76263	18.360	ug/l	93
23) Vinyl Acetate	6.157	43	185470	91.436	ug/l #	91
24) 1,1-Dichloroethane	6.116	63	58453	20.780	ug/l	97
25) 2-Butanone	7.087	43	44830	106.493	ug/l	88
26) 2,2-Dichloropropane	7.081	77	47817	20.247	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	36888	20.942	ug/l	89
28) Bromochloromethane	7.434	49	22992	20.228	ug/l	84
29) Tetrahydrofuran	7.440	42	20384	90.353	ug/l	89
30) Chloroform	7.598	83	61068	21.692	ug/l	93
31) Cyclohexane	7.875	56	44665	17.725	ug/l	85
32) 1,1,1-Trichloroethane	7.793	97	51948	20.932	ug/l	99
36) 1,1-Dichloropropene	8.010	75	45250	19.705	ug/l	96
37) Ethyl Acetate	7.169	43	14171	15.827	ug/l	98
38) Carbon Tetrachloride	7.993	117	44480	19.430	ug/l	93
39) Methylcyclohexane	9.275	83	52597	19.321	ug/l	95
40) Benzene	8.251	78	128271	19.681	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	8280	18.194	ug/l #	90
42) 1,2-Dichloroethane	8.328	62	34518	20.432	ug/l	94
43) Isopropyl Acetate	8.363	43	29904	18.788	ug/l	96
44) Trichloroethene	9.028	130	34669	20.412	ug/l	93
45) 1,2-Dichloropropane	9.304	63	31982	20.186	ug/l	97
46) Dibromomethane	9.398	93	17273	20.604	ug/l	91
47) Bromodichloromethane	9.581	83	45824	21.566	ug/l	100
48) Methyl methacrylate	9.381	41	16256	17.967	ug/l	82
49) 1,4-Dioxane	9.387	88	3333	400.397	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	74723	91.986	ug/l	93
52) Toluene	10.334	92	82009	20.285	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	40562	19.879	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	48998	19.861	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	23216	20.246	ug/l #	82
56) Ethyl methacrylate	10.598	69	19377	19.169	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	42908	21.708	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	38658	67.061	ug/l	97
59) 2-Hexanone	10.922	43	64075	95.074	ug/l	90
60) Dibromochloromethane	11.075	129	30304	21.950	ug/l	99
61) 1,2-Dibromoethane	11.181	107	22365	20.720	ug/l	98
64) Tetrachloroethene	10.810	164	26800	19.613	ug/l	93
65) Chlorobenzene	11.610	112	89369	19.250	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.687	131	33321	21.553	ug/l	94
67) Ethyl Benzene	11.687	91	156222	20.183	ug/l	96
68) m/p-Xylenes	11.792	106	122420	41.349	ug/l	94
69) o-Xylene	12.122	106	54586	20.005	ug/l	92
70) Styrene	12.139	104	84930	20.933	ug/l	96
71) Bromoform	12.298	173	16946	20.978	ug/l #	93
73) Isopropylbenzene	12.422	105	153496	20.084	ug/l	95
74) N-amyl acetate	12.234	43	26256	17.477	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	26921	20.202	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	18374m	20.980	ug/l	
77) Bromobenzene	12.704	156	35709	19.864	ug/l	91
78) n-propylbenzene	12.763	91	185767	19.947	ug/l	97
79) 2-Chlorotoluene	12.851	91	99999	20.036	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	123930	19.442	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	8256	19.099	ug/l	90
82) 4-Chlorotoluene	12.945	91	104377	20.005	ug/l	96
83) tert-Butylbenzene	13.169	119	105438	19.593	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	125303	19.654	ug/l	97
85) sec-Butylbenzene	13.345	105	161080	20.250	ug/l	97
86) p-Isopropyltoluene	13.463	119	143874	20.201	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	73201	19.912	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	73305	18.982	ug/l	98
89) n-Butylbenzene	13.786	91	138654	20.690	ug/l	96
90) Hexachloroethane	14.057	117	29454	22.488	ug/l	92
91) 1,2-Dichlorobenzene	13.833	146	62455	19.976	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3618	18.117	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	38391	17.977	ug/l	97
94) Hexachlorobutadiene	15.210	225	23334	20.262	ug/l	97
95) Naphthalene	15.333	128	66029	18.608	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	32926	18.701	ug/l	98

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

