

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078101.D
 Acq On : 29 Dec 2023 11:23
 Operator : RP/MD
 Sample : VD1229SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1229SBS02

Quant Time: Dec 29 22:32:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024
 Supervised By :Mahesh Dadoda 01/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	160861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	245659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	226668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	117561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63274	44.207	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.420%		
35) Dibromofluoromethane	7.804	113	74266	46.985	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.960%		
50) Toluene-d8	10.269	98	267625	48.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.240%		
62) 4-Bromofluorobenzene	12.575	95	85075	47.540	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	27941	20.267	ug/l	96
3) Chloromethane	2.146	50	34263	18.021	ug/l	96
4) Vinyl Chloride	2.287	62	52383	18.279	ug/l	99
5) Bromomethane	2.687	94	39488	17.185	ug/l	100
6) Chloroethane	2.834	64	40477	19.220	ug/l	89
7) Trichlorofluoromethane	3.181	101	53725	19.477	ug/l	95
8) Diethyl Ether	3.587	74	13334	17.628	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.969	101	32420	18.870	ug/l	97
10) Methyl Iodide	4.164	142	29474	18.257	ug/l	96
11) Tert butyl alcohol	5.069	59	8605	123.844	ug/l #	81
12) 1,1-Dichloroethene	3.946	96	28145	18.514	ug/l	97
13) Acrolein	3.793	56	8420	111.696	ug/l	97
14) Allyl chloride	4.563	41	32032	17.433	ug/l	90
15) Acrylonitrile	5.258	53	30093	95.110	ug/l	96
16) Acetone	4.022	43	39127	119.491	ug/l	94
17) Carbon Disulfide	4.269	76	62681	16.688	ug/l	98
18) Methyl Acetate	4.569	43	19616	16.722	ug/l	97
19) Methyl tert-butyl Ether	5.311	73	65631	19.507	ug/l	97
20) Methylene Chloride	4.805	84	40255	21.112	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	31638	18.105	ug/l	97
22) Diisopropyl ether	6.216	45	77907	18.982	ug/l	93
23) Vinyl Acetate	6.157	43	150466m	95.895	ug/l	
24) 1,1-Dichloroethane	6.116	63	58393	19.225	ug/l	97
25) 2-Butanone	7.081	43	44547	110.553	ug/l	91
26) 2,2-Dichloropropane	7.069	77	50707	18.582	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	38154	18.404	ug/l	96
28) Bromochloromethane	7.434	49	20343	18.721	ug/l	90
29) Tetrahydrofuran	7.446	42	19022	85.851	ug/l	98
30) Chloroform	7.599	83	63379	19.255	ug/l	96
31) Cyclohexane	7.875	56	40249	17.628	ug/l	90
32) 1,1,1-Trichloroethane	7.793	97	55100	19.478	ug/l	99
36) 1,1-Dichloropropene	8.010	75	42809	19.249	ug/l	97
37) Ethyl Acetate	7.163	43	15243	20.607	ug/l	99
38) Carbon Tetrachloride	7.987	117	48965	20.318	ug/l	97
39) Methylcyclohexane	9.275	83	45448	17.824	ug/l	94
40) Benzene	8.257	78	125335	19.553	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	7919	16.922	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	33812	19.518	ug/l	95
43) Isopropyl Acetate	8.363	43	29609	19.994	ug/l	94
44) Trichloroethene	9.034	130	37829	20.513	ug/l	83
45) 1,2-Dichloropropane	9.304	63	32466	19.988	ug/l	95
46) Dibromomethane	9.399	93	18990	20.874	ug/l	94
47) Bromodichloromethane	9.587	83	48004	20.314	ug/l	99
48) Methyl methacrylate	9.381	41	17596	21.083	ug/l #	77
49) 1,4-Dioxane	9.381	88	3714	431.855	ug/l #	90
51) 4-Methyl-2-Pentanone	10.157	43	76168	100.238	ug/l	94
52) Toluene	10.334	92	83668	20.124	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	42013	19.595	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	51301	19.925	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	26256	20.509	ug/l	89
56) Ethyl methacrylate	10.598	69	20111	19.795	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	41941	19.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	38137	86.703	ug/l	100
59) 2-Hexanone	10.922	43	62680	106.193	ug/l	96
60) Dibromochloromethane	11.075	129	33696	20.661	ug/l	96
61) 1,2-Dibromoethane	11.181	107	24931	20.313	ug/l	98
64) Tetrachloroethene	10.810	164	30447	19.879	ug/l	96
65) Chlorobenzene	11.604	112	92840	19.279	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	35559	19.510	ug/l	99
67) Ethyl Benzene	11.687	91	159899	19.047	ug/l	95
68) m/p-Xylenes	11.793	106	123289	37.735	ug/l	94
69) o-Xylene	12.122	106	56603	18.588	ug/l	94
70) Styrene	12.134	104	86927	19.334	ug/l	95
71) Bromoform	12.298	173	20359	20.247	ug/l #	100
73) Isopropylbenzene	12.422	105	154195	19.043	ug/l	98
74) N-amyl acetate	12.234	43	26540	19.744	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	29058	19.746	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	20166m	20.332	ug/l	
77) Bromobenzene	12.698	156	39973	20.293	ug/l	98
78) n-propylbenzene	12.763	91	183844	18.863	ug/l	99
79) 2-Chlorotoluene	12.851	91	101894	19.328	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	129170	19.287	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	8903	19.342	ug/l	96
82) 4-Chlorotoluene	12.945	91	112353	19.878	ug/l	96
83) tert-Butylbenzene	13.169	119	116773	19.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	130897	19.189	ug/l	98
85) sec-Butylbenzene	13.345	105	165419	19.313	ug/l	98
86) p-Isopropyltoluene	13.463	119	145757	19.016	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	78955	19.373	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	79687	19.936	ug/l	97
89) n-Butylbenzene	13.787	91	134737	19.151	ug/l	100
90) Hexachloroethane	14.057	117	30646	19.999	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	70264	20.075	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4340	21.057	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	44366	19.415	ug/l	98
94) Hexachlorobutadiene	15.204	225	26222	20.424	ug/l	96
95) Naphthalene	15.334	128	72159	18.549	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	39108	20.170	ug/l	98

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

