

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077784.D
 Acq On : 08 Dec 2023 10:35
 Operator : JC/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 08 12:44:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 12:44:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	143787	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	243362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	225655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	35574	20.686	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.380%#		
35) Dibromofluoromethane	7.805	113	36110	20.781	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.560%#		
50) Toluene-d8	10.275	98	143131	20.660	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.320%#		
62) 4-Bromofluorobenzene	12.575	95	41756	20.215	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	40913	22.417	ug/l	99
3) Chloromethane	2.152	50	49807	20.435	ug/l	100
4) Vinyl Chloride	2.293	62	73669	21.663	ug/l	98
5) Bromomethane	2.699	94	36808	19.535	ug/l	95
6) Chloroethane	2.840	64	48489	21.062	ug/l	99
7) Trichlorofluoromethane	3.181	101	65145	21.140	ug/l	96
8) Diethyl Ether	3.593	74	17530	20.342	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.975	101	37106	20.927	ug/l	97
10) Methyl Iodide	4.169	142	21200	18.234	ug/l	91
11) Tert butyl alcohol	5.058	59	9552	108.246	ug/l #	73
12) 1,1-Dichloroethene	3.952	96	37015	21.105	ug/l	92
13) Acrolein	3.799	56	19445	104.408	ug/l	94
14) Allyl chloride	4.569	41	49467	20.653	ug/l #	91
15) Acrylonitrile	5.264	53	41367	110.161	ug/l	98
16) Acetone	4.028	43	60468	147.772	ug/l	92
17) Carbon Disulfide	4.281	76	121073	20.489	ug/l	96
18) Methyl Acetate	4.569	43	29090	21.369	ug/l	90
19) Methyl tert-butyl Ether	5.328	73	79437	21.247	ug/l	98
20) Methylene Chloride	4.805	84	45402	19.709	ug/l	89
21) trans-1,2-Dichloroethene	5.316	96	40515	20.528	ug/l	86
22) Diisopropyl ether	6.222	45	103187	20.573	ug/l #	91
23) Vinyl Acetate	6.158	43	260697	109.326	ug/l #	91
24) 1,1-Dichloroethane	6.122	63	69582	20.513	ug/l	96
25) 2-Butanone	7.087	43	65876	129.012	ug/l #	86
26) 2,2-Dichloropropane	7.081	77	58834	20.649	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	43917	20.580	ug/l	87
28) Bromochloromethane	7.428	49	28574	20.813	ug/l #	74
29) Tetrahydrofuran	7.452	42	30080	109.041	ug/l	86
30) Chloroform	7.605	83	71449	20.803	ug/l	98
31) Cyclohexane	7.881	56	62456	20.574	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	60650	20.281	ug/l	97
36) 1,1-Dichloropropene	8.016	75	55806	20.323	ug/l	96
37) Ethyl Acetate	7.175	43	21651	21.217	ug/l #	90
38) Carbon Tetrachloride	7.999	117	55843	20.272	ug/l	99
39) Methylcyclohexane	9.275	83	66384	20.330	ug/l	95
40) Benzene	8.252	78	158196	20.198	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	13597	24.275	ug/l #	81
42) 1,2-Dichloroethane	8.328	62	42915	21.097	ug/l	94
43) Isopropyl Acetate	8.363	43	39345	20.510	ug/l #	90
44) Trichloroethene	9.028	130	42522	20.790	ug/l	94
45) 1,2-Dichloropropane	9.304	63	41312	21.512	ug/l	97
46) Dibromomethane	9.393	93	20312	20.136	ug/l	100
47) Bromodichloromethane	9.587	83	52454	20.482	ug/l #	98
48) Methyl methacrylate	9.381	41	22462	20.512	ug/l #	77
49) 1,4-Dioxane	9.387	88	3862	381.987	ug/l #	67
51) 4-Methyl-2-Pentanone	10.157	43	106118	108.055	ug/l	89
52) Toluene	10.334	92	99526	20.468	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	50949	20.735	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	61758	20.774	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	28893	20.806	ug/l	94
56) Ethyl methacrylate	10.599	69	25838	21.150	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	49556	20.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	73535	106.088	ug/l	95
59) 2-Hexanone	10.922	43	100640	126.733	ug/l	85
60) Dibromochloromethane	11.075	129	35652	21.246	ug/l	100
61) 1,2-Dibromoethane	11.181	107	28252	21.513	ug/l	97
64) Tetrachloroethene	10.810	164	33977	20.286	ug/l	93
65) Chlorobenzene	11.610	112	112156	19.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	37673	19.817	ug/l	95
67) Ethyl Benzene	11.687	91	187643	19.844	ug/l	96
68) m/p-Xylenes	11.793	106	145365	40.061	ug/l	92
69) o-Xylene	12.122	106	66250	19.793	ug/l	92
70) Styrene	12.140	104	99283	20.010	ug/l	94
71) Bromoform	12.304	173	20297	20.492	ug/l #	100
73) Isopropylbenzene	12.422	105	179224	19.963	ug/l	95
74) N-amyl acetate	12.234	43	36792	20.778	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	33693	21.363	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	19210m	18.920	ug/l	
77) Bromobenzene	12.704	156	41237	19.514	ug/l	92
78) n-propylbenzene	12.763	91	213784	19.676	ug/l	97
79) 2-Chlorotoluene	12.851	91	115522	19.780	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	149499	19.946	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	9686	19.306	ug/l	92
82) 4-Chlorotoluene	12.951	91	120037	19.734	ug/l	96
83) tert-Butylbenzene	13.169	119	124349	19.708	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	148303	19.877	ug/l	97
85) sec-Butylbenzene	13.345	105	183483	19.703	ug/l	98
86) p-Isopropyltoluene	13.463	119	163244	19.595	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	86586	20.020	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	89990	19.802	ug/l	98
89) n-Butylbenzene	13.787	91	154324	19.695	ug/l	98
90) Hexachloroethane	14.057	117	30821	20.008	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	72752	19.827	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.457	75	5160	20.895	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	47012	18.865	ug/l	96
94) Hexachlorobutadiene	15.204	225	25898	19.350	ug/l	97
95) Naphthalene	15.334	128	80623	19.504	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	38604	18.970	ug/l	98

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

