

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074180.D
 Acq On : 23 Aug 2022 10:14
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 23 12:46:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 12:44:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	159630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	266033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	245582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	126209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9820	6.511	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.020%#		
35) Dibromofluoromethane	7.909	113	10032	5.803	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.600%#		
50) Toluene-d8	10.332	98	30806	5.739	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.480%#		
62) 4-Bromofluorobenzene	12.620	95	11487	5.298	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.600%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	8162	5.294	ug/l	84
3) Chloromethane	2.209	50	5009	2.942	ug/l	99
4) Vinyl Chloride	2.344	62	4855	2.215	ug/l	93
5) Bromomethane	2.768	94	3385	1.943	ug/l	99
6) Chloroethane	2.915	64	3230	1.773	ug/l #	85
7) Trichlorofluoromethane	3.268	101	15467	4.575	ug/l	99
8) Diethyl Ether	3.715	74	3714	5.063	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.091	101	9426	5.126	ug/l	93
10) Methyl Iodide	4.297	142	7806	4.558	ug/l	97
11) Tert butyl alcohol	5.238	59	2610m	24.967	ug/l	
12) 1,1-Dichloroethene	4.062	96	7839	5.105	ug/l #	79
13) Acrolein	3.921	56	1243	15.111	ug/l	94
14) Allyl chloride	4.721	41	11094	5.519	ug/l #	90
15) Acrylonitrile	5.409	53	8368	28.131	ug/l	97
16) Acetone	4.150	43	7812	24.493	ug/l #	84
17) Carbon Disulfide	4.403	76	20427	5.062	ug/l #	92
18) Methyl Acetate	4.715	43	6581	8.143	ug/l #	85
19) Methyl tert-butyl Ether	5.479	73	17374	5.202	ug/l	97
20) Methylene Chloride	4.962	84	18948	7.864	ug/l #	85
21) trans-1,2-Dichloroethene	5.462	96	8829	5.227	ug/l #	76
22) Diisopropyl ether	6.362	45	22422	5.292	ug/l #	89
23) Vinyl Acetate	6.303	43	46156m	21.172	ug/l	
24) 1,1-Dichloroethane	6.256	63	16981	5.829	ug/l #	94
25) 2-Butanone	7.215	43	12501	29.350	ug/l #	90
26) 2,2-Dichloropropane	7.203	77	15488	5.266	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	10234	5.226	ug/l	93
28) Bromochloromethane	7.538	49	5627	5.401	ug/l #	83
29) Tetrahydrofuran	7.562	42	6656	28.024	ug/l #	91
30) Chloroform	7.703	83	17533	5.252	ug/l	96
31) Cyclohexane	7.979	56	15196	6.057	ug/l #	66
32) 1,1,1-Trichloroethane	7.897	97	16652	5.331	ug/l	94
36) 1,1-Dichloropropene	8.103	75	12761	5.211	ug/l	93
37) Ethyl Acetate	7.291	43	5509	5.740	ug/l	96
38) Carbon Tetrachloride	8.097	117	13472	4.867	ug/l	94
39) Methylcyclohexane	9.344	83	13069	4.775	ug/l	89
40) Benzene	8.344	78	36834	5.341	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	2862	5.660	ug/l #	91
42) 1,2-Dichloroethane	8.414	62	10840	5.294	ug/l	94
43) Isopropyl Acetate	8.450	43	10268	5.775	ug/l #	88
44) Trichloroethene	9.103	130	11453	5.708	ug/l	97
45) 1,2-Dichloropropane	9.373	63	9831	5.903	ug/l	95
46) Dibromomethane	9.461	93	5210	5.043	ug/l	94
47) Bromodichloromethane	9.650	83	13463	5.073	ug/l #	82
48) Methyl methacrylate	9.450	41	4200	5.080	ug/l #	80
49) 1,4-Dioxane	9.444	88	1058	103.451	ug/l #	60
51) 4-Methyl-2-Pentanone	10.214	43	23614	25.900	ug/l	99
52) Toluene	10.397	92	24499	5.450	ug/l	94
53) t-1,3-Dichloropropene	10.614	75	11254	4.919	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	13709	5.136	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	7285	5.322	ug/l	88
56) Ethyl methacrylate	10.650	69	6469	4.496	ug/l	92
57) 1,3-Dichloropropane	10.932	76	11539	5.207	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.932	63	13087	25.571	ug/l	96
59) 2-Hexanone	10.973	43	15299	24.568	ug/l	98
60) Dibromochloromethane	11.132	129	9174	4.961	ug/l	98
61) 1,2-Dibromoethane	11.232	107	6869	5.120	ug/l	99
64) Tetrachloroethene	10.867	164	9434	5.844	ug/l	91
65) Chlorobenzene	11.655	112	27268	5.500	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.726	131	10433	5.390	ug/l	99
67) Ethyl Benzene	11.732	91	42301	4.968	ug/l	95
68) m/p-Xylenes	11.838	106	33412	9.768	ug/l	92
69) o-Xylene	12.167	106	14956	4.807	ug/l	96
70) Styrene	12.179	104	25552	4.713	ug/l	96
71) Bromoform	12.344	173	5764	5.741	ug/l #	95
73) Isopropylbenzene	12.467	105	38697	4.546	ug/l	95
74) N-amyl acetate	12.273	43	8611	5.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	7786	5.050	ug/l	94
76) 1,2,3-Trichloropropane	12.761	75	6458m	5.497	ug/l	
77) Bromobenzene	12.744	156	10304	5.064	ug/l	84
78) n-propylbenzene	12.802	91	49168	4.671	ug/l	98
79) 2-Chlorotoluene	12.891	91	28698	4.787	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	33956	4.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.508	75	2099	4.813	ug/l #	84
82) 4-Chlorotoluene	12.985	91	31806	5.018	ug/l	99
83) tert-Butylbenzene	13.208	119	28244	4.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	31845	4.388	ug/l	99
85) sec-Butylbenzene	13.385	105	42660	4.463	ug/l	98
86) p-Isopropyltoluene	13.497	119	33988	4.260	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	20892	4.860	ug/l	95
88) 1,4-Dichlorobenzene	13.579	146	21926	5.114	ug/l	91
89) n-Butylbenzene	13.826	91	34049	4.466	ug/l	97
90) Hexachloroethane	14.091	117	8365	5.049	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	18287	4.797	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.479	75	1220	4.674	ug/l	89
93) 1,2,4-Trichlorobenzene	15.138	180	10916	4.542	ug/l	99
94) Hexachlorobutadiene	15.249	225	6304	4.438	ug/l	98
95) Naphthalene	15.373	128	16745	4.047	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.567	180	9213	4.351	ug/l	94

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

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