

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121422\
 Data File : VD075020.D
 Acq On : 14 Dec 2022 13:53
 Operator : KP/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/15/2022
 Supervised By :Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 03:06:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 15 03:01:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	161668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	283308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	255276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	118710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28591	24.712	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	49.420%#		
35) Dibromofluoromethane	7.805	113	39804	22.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	44.900%#		
50) Toluene-d8	10.269	98	132756	24.423	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	48.840%#		
62) 4-Bromofluorobenzene	12.575	95	39949	22.890	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	45.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	26363	27.709	ug/l	100
3) Chloromethane	2.140	50	48408	26.770	ug/l	96
4) Vinyl Chloride	2.275	62	53387	27.294	ug/l	96
5) Bromomethane	2.675	94	38878	27.383	ug/l	98
6) Chloroethane	2.828	64	37749	26.090	ug/l	98
7) Trichlorofluoromethane	3.169	101	62661	26.308	ug/l	97
8) Diethyl Ether	3.587	74	17063	23.966	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	38469	24.787	ug/l	98
10) Methyl Iodide	4.158	142	30740	25.396	ug/l	98
11) Tert butyl alcohol	5.058	59	11221	128.121	ug/l #	76
12) 1,1-Dichloroethene	3.940	96	37945	25.524	ug/l	98
13) Acrolein	3.793	56	19374	121.631	ug/l	98
14) Allyl chloride	4.558	41	42885	25.240	ug/l	99
15) Acrylonitrile	5.263	53	35221	117.231	ug/l	97
16) Acetone	4.022	43	32071	106.817	ug/l	99
17) Carbon Disulfide	4.269	76	98373	29.035	ug/l	96
18) Methyl Acetate	4.558	43	19225	23.223	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	72843	23.035	ug/l	91
20) Methylene Chloride	4.799	84	51194	22.097	ug/l	99
21) trans-1,2-Dichloroethene	5.305	96	41221	25.429	ug/l	98
22) Diisopropyl ether	6.216	45	94184	24.227	ug/l	99
23) Vinyl Acetate	6.158	43	204971	125.659	ug/l	98
24) 1,1-Dichloroethane	6.105	63	68046	24.664	ug/l	97
25) 2-Butanone	7.081	43	43257	114.391	ug/l	93
26) 2,2-Dichloropropane	7.081	77	63059	24.321	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	46960	24.507	ug/l	99
28) Bromochloromethane	7.422	49	21776	24.683	ug/l	99
29) Tetrahydrofuran	7.446	42	24168	119.403	ug/l	96
30) Chloroform	7.599	83	72986	24.259	ug/l	99
31) Cyclohexane	7.875	56	47971	23.194	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	64356	25.004	ug/l	100
36) 1,1-Dichloropropene	8.005	75	46620	20.010	ug/l	97
37) Ethyl Acetate	7.175	43	18701	20.511	ug/l	97
38) Carbon Tetrachloride	7.993	117	41805	19.180	ug/l	100
39) Methylcyclohexane	9.275	83	53390	22.509	ug/l	98
40) Benzene	8.252	78	134469	19.216	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10700m	22.638	ug/l	
42) 1,2-Dichloroethane	8.322	62	32059	19.093	ug/l	99
43) Isopropyl Acetate	8.357	43	28327	18.522	ug/l	99
44) Trichloroethene	9.028	130	37862	20.675	ug/l	90
45) 1,2-Dichloropropane	9.304	63	33177	20.912	ug/l	93
46) Dibromomethane	9.399	93	17695	20.530	ug/l	98
47) Bromodichloromethane	9.581	83	43775	20.007	ug/l #	98
48) Methyl methacrylate	9.381	41	13820	20.584	ug/l	97
49) 1,4-Dioxane	9.387	88	3644	377.709	ug/l	90
51) 4-Methyl-2-Pentanone	10.163	43	75551	98.833	ug/l	99
52) Toluene	10.334	92	89406	21.624	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	41345	20.503	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	50184	20.513	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	25239	20.054	ug/l	93
56) Ethyl methacrylate	10.598	69	27402	19.832	ug/l	98
57) 1,3-Dichloropropane	10.881	76	41228	20.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	54420	96.925	ug/l	98
59) 2-Hexanone	10.922	43	54636	98.140	ug/l	99
60) Dibromochloromethane	11.075	129	29624	20.151	ug/l	99
61) 1,2-Dibromoethane	11.181	107	23152	20.378	ug/l	96
64) Tetrachloroethene	10.810	164	31552	21.259	ug/l	96
65) Chlorobenzene	11.610	112	94936	20.253	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	32036	19.442	ug/l	98
67) Ethyl Benzene	11.687	91	164679	20.334	ug/l	99
68) m/p-Xylenes	11.793	106	132734	41.767	ug/l	100
69) o-Xylene	12.122	106	61711	20.499	ug/l	96
70) Styrene	12.134	104	105713	20.432	ug/l	99
71) Bromoform	12.304	173	17070	20.155	ug/l #	97
73) Isopropylbenzene	12.422	105	162520	20.701	ug/l	99
74) N-amyl acetate	12.234	43	27232	19.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	28849	20.443	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	19587m	19.004	ug/l	
77) Bromobenzene	12.704	156	36245	20.292	ug/l	98
78) n-propylbenzene	12.763	91	202468	21.065	ug/l	99
79) 2-Chlorotoluene	12.851	91	108020	20.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	138111	21.282	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	7705	18.995	ug/l	97
82) 4-Chlorotoluene	12.951	91	113427	20.891	ug/l	100
83) tert-Butylbenzene	13.169	119	113142	20.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	132968	20.664	ug/l	100
85) sec-Butylbenzene	13.345	105	180064	20.702	ug/l	99
86) p-Isopropyltoluene	13.463	119	150250	20.731	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	75915	20.109	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	76769	20.604	ug/l	99
89) n-Butylbenzene	13.792	91	138725	20.475	ug/l	99
90) Hexachloroethane	14.057	117	26497	20.576	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	63352	19.660	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3650	19.527	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	40011	20.146	ug/l	98
94) Hexachlorobutadiene	15.204	225	21225	20.753	ug/l	99
95) Naphthalene	15.334	128	71763	19.104	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	34442	20.446	ug/l	98

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

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