

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073688.D
 Acq On : 24 Jun 2022 15:28
 Operator : VA/SY
 Sample : N3214-02 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jun 25 08:52:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 08:51:58 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/28/2022
 Supervised By :Semsettin Yesilyurt 06/28/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	237329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	396276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	377891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	196155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	148367	50.899	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.800%			
35) Dibromofluoromethane	7.908	113	157632	51.063	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.120%			
50) Toluene-d8	10.332	98	541392	48.845	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.680%			
62) 4-Bromofluorobenzene	12.620	95	216325	52.037	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	14400	6.007	ug/l	93
3) Chloromethane	2.209	50	12179	5.621	ug/l	96
4) Vinyl Chloride	2.344	62	11651	5.450	ug/l #	87
5) Bromomethane	2.756	94	8708	5.293	ug/l #	78
6) Chloroethane	2.915	64	8651	6.008	ug/l	94
7) Trichlorofluoromethane	3.268	101	28353	5.670	ug/l	94
8) Diethyl Ether	3.715	74	7783	6.070	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	17391	6.064	ug/l	97
10) Methyl Iodide	4.291	142	11925	4.368	ug/l #	96
11) Tert butyl alcohol	5.185	59	32655	50.383	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	13202	5.413	ug/l	98
13) Acrolein	3.926	56	1063	21.581	ug/l	99
14) Allyl chloride	4.703	41	20388	5.670	ug/l	98
15) Acrylonitrile	5.420	53	17469	28.463	ug/l	99
16) Acetone	4.156	43	16242	31.546	ug/l #	85
17) Carbon Disulfide	4.403	76	32680	5.311	ug/l #	94
18) Methyl Acetate	4.709	43	15127m	9.526	ug/l	
19) Methyl tert-butyl Ether	5.473	73	33369	5.254	ug/l	99
20) Methylene Chloride	4.950	84	30292	8.090	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	16110	5.552	ug/l	95
22) Diisopropyl ether	6.362	45	43654	5.408	ug/l	98
23) Vinyl Acetate	6.297	43	90497	21.383	ug/l	98
24) 1,1-Dichloroethane	6.256	63	31636	5.884	ug/l	97
25) 2-Butanone	7.209	43	23428	31.893	ug/l #	89
26) 2,2-Dichloropropane	7.209	77	29535	5.832	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	19998	5.861	ug/l	93
28) Bromochloromethane	7.532	49	12862	6.778	ug/l	94
29) Tetrahydrofuran	7.561	42	12533	28.065	ug/l	94
30) Chloroform	7.703	83	34468	5.696	ug/l	93
31) Cyclohexane	7.973	56	26578	6.078	ug/l #	86
32) 1,1,1-Trichloroethane	7.897	97	28908	5.318	ug/l	98
36) 1,1-Dichloropropene	8.108	75	22702	5.239	ug/l	98
37) Ethyl Acetate	7.291	43	10225	6.012	ug/l #	96
38) Carbon Tetrachloride	8.085	117	26370	5.226	ug/l	92
39) Methylcyclohexane	9.344	83	24369	5.065	ug/l	91
40) Benzene	8.344	78	68941	5.496	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	6150	5.990	ug/l	92
42) 1,2-Dichloroethane	8.420	62	19647	5.198	ug/l	97
43) Isopropyl Acetate	8.444	43	18275	5.476	ug/l	98
44) Trichloroethene	9.108	130	19989	5.548	ug/l	82
45) 1,2-Dichloropropane	9.379	63	18352	5.835	ug/l	97
46) Dibromomethane	9.467	93	9328	5.109	ug/l	98
47) Bromodichloromethane	9.655	83	24193	5.056	ug/l	97
48) Methyl methacrylate	9.444	41	8811	5.202	ug/l	94
49) 1,4-Dioxane	9.450	88	1929	94.628	ug/l #	87
51) 4-Methyl-2-Pentanone	10.220	43	47117	27.473	ug/l	97
52) Toluene	10.397	92	45323	5.514	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	22463	5.160	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	26440	5.335	ug/l	92
55) 1,1,2-Trichloroethane	10.785	97	15384	5.978	ug/l	92
56) Ethyl methacrylate	10.655	69	14469	4.988	ug/l	98
57) 1,3-Dichloropropane	10.938	76	23302	5.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	30845	27.402	ug/l	98
59) 2-Hexanone	10.979	43	32540	28.104	ug/l	91
60) Dibromochloromethane	11.132	129	18383	5.420	ug/l	96
61) 1,2-Dibromoethane	11.232	107	12807	5.257	ug/l	94
64) Tetrachloroethene	10.873	164	19377	6.476	ug/l	92
65) Chlorobenzene	11.661	112	51494	5.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	19516	5.252	ug/l	97
67) Ethyl Benzene	11.732	91	83211	5.155	ug/l	98
68) m/p-Xylenes	11.844	106	65304	10.470	ug/l	99
69) o-Xylene	12.167	106	29210	5.049	ug/l	99
70) Styrene	12.185	104	48298	4.771	ug/l	98
71) Bromoform	12.349	173	10746	5.312	ug/l #	93
73) Isopropylbenzene	12.467	105	77309	4.827	ug/l	99
74) N-amyl acetate	12.273	43	17051	5.202	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	17019	5.632	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	13508m	7.076	ug/l	
77) Bromobenzene	12.749	156	20425	5.303	ug/l	97
78) n-propylbenzene	12.808	91	103408	5.282	ug/l	96
79) 2-Chlorotoluene	12.891	91	61405	5.385	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	68375	4.979	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	5311	5.680	ug/l	83
82) 4-Chlorotoluene	12.991	91	61576	5.079	ug/l	98
83) tert-Butylbenzene	13.208	119	58279	4.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	68627	5.088	ug/l	100
85) sec-Butylbenzene	13.391	105	90789	5.114	ug/l	97
86) p-Isopropyltoluene	13.502	119	71691	4.851	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	42285	5.272	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	43314	5.456	ug/l	94
89) n-Butylbenzene	13.826	91	68226	4.930	ug/l	99
90) Hexachloroethane	14.096	117	16110	5.288	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	37486	5.432	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2668	5.289	ug/l	97
93) 1,2,4-Trichlorobenzene	15.137	180	22876	5.550	ug/l	96
94) Hexachlorobutadiene	15.249	225	12652	5.414	ug/l	95
95) Naphthalene	15.379	128	36973	5.018	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	19105	5.306	ug/l	94

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

