

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011913.D
 Acq On : 20 Dec 2022 11:07
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 20 11:50:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 11:47:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	227356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	345002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	312777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	42894	23.231	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.460%	#	
35) Dibromofluoromethane	7.722	113	40227	23.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.240%	#	
50) Toluene-d8	10.179	98	164741	26.991	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	53.980%	#	
62) 4-Bromofluorobenzene	12.483	95	58398	24.919	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	49.840%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	22139	17.838	ug/l	98
3) Chloromethane	2.113	50	32896	23.660	ug/l	97
4) Vinyl Chloride	2.253	62	36864	22.650	ug/l	100
5) Bromomethane	2.643	94	27069	24.104	ug/l	91
6) Chloroethane	2.796	64	25812	22.895	ug/l	100
7) Trichlorofluoromethane	3.125	101	68404	21.887	ug/l	98
8) Diethyl Ether	3.527	74	21947	20.048	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	37788	20.254	ug/l	95
10) Methyl Iodide	4.094	142	52239	23.914	ug/l	96
11) Tert butyl alcohol	4.948	59	24274	87.325	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	38750	23.030	ug/l	97
13) Acrolein	3.729	56	21963	68.526	ug/l	96
14) Allyl chloride	4.485	41	56891	20.355	ug/l	96
15) Acrylonitrile	5.161	53	50985	86.771	ug/l	100
16) Acetone	3.948	43	49216	79.278	ug/l	99
17) Carbon Disulfide	4.198	76	119690	31.148	ug/l	100
18) Methyl Acetate	4.478	43	28544	16.281	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	100749	19.124	ug/l	95
20) Methylene Chloride	4.716	84	61438	21.592	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	44737	23.656	ug/l	96
22) Diisopropyl ether	6.118	45	120827	19.814	ug/l	97
23) Vinyl Acetate	6.064	43	331580	95.314	ug/l	99
24) 1,1-Dichloroethane	6.021	63	77027	20.787	ug/l	100
25) 2-Butanone	6.990	43	64922	81.301	ug/l	99
26) 2,2-Dichloropropane	6.984	77	72873	20.903	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	50225	21.730	ug/l	98
28) Bromochloromethane	7.338	49	22521	16.694	ug/l	95
29) Tetrahydrofuran	7.350	42	40001	88.009	ug/l	98
30) Chloroform	7.508	83	83089	20.974	ug/l	99
31) Cyclohexane	7.789	56	69431	23.378	ug/l	93
32) 1,1,1-Trichloroethane	7.703	97	77339	21.890	ug/l	99
36) 1,1-Dichloropropene	7.923	75	63425	24.226	ug/l	100
37) Ethyl Acetate	7.069	43	27763	18.139	ug/l	98
38) Carbon Tetrachloride	7.905	117	72941	23.718	ug/l	96
39) Methylcyclohexane	9.185	83	75212	25.532	ug/l	99
40) Benzene	8.161	78	182193	23.295	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	13134m	16.998	ug/l	
42) 1,2-Dichloroethane	8.240	62	52524	21.717	ug/l	100
43) Isopropyl Acetate	8.277	43	49614	17.876	ug/l	96
44) Trichloroethene	8.941	130	51891	23.690	ug/l	97
45) 1,2-Dichloropropane	9.215	63	42599	21.044	ug/l	100
46) Dibromomethane	9.307	93	24153	21.315	ug/l	98
47) Bromodichloromethane	9.496	83	62166	21.236	ug/l	99
48) Methyl methacrylate	9.295	41	23528	19.232	ug/l	96
49) 1,4-Dioxane	9.295	88	5535	352.598	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	135870	88.846	ug/l	99
52) Toluene	10.246	92	118420	23.817	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	62467	21.363	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	70368	21.419	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	34612	20.666	ug/l	98
56) Ethyl methacrylate	10.508	69	42470	19.644	ug/l	98
57) 1,3-Dichloropropane	10.788	76	58008	20.779	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	87818	87.598	ug/l	98
59) 2-Hexanone	10.831	43	97569	89.296	ug/l	100
60) Dibromochloromethane	10.983	129	43950	20.952	ug/l	99
61) 1,2-Dibromoethane	11.087	107	32007	21.095	ug/l	99
64) Tetrachloroethene	10.721	164	53469	24.162	ug/l	98
65) Chlorobenzene	11.514	112	125182	22.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	46642	21.333	ug/l	100
67) Ethyl Benzene	11.593	91	227836	22.944	ug/l	100
68) m/p-Xylenes	11.703	106	179190	47.119	ug/l	99
69) o-Xylene	12.032	106	82585	22.783	ug/l	98
70) Styrene	12.044	104	139418	22.535	ug/l	99
71) Bromoform	12.209	173	27575	20.448	ug/l #	98
73) Isopropylbenzene	12.331	105	222258	22.009	ug/l	99
74) N-amyl acetate	12.142	43	43822	18.049	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	36532	18.576	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	36359m	23.057	ug/l	
77) Bromobenzene	12.611	156	51803	21.971	ug/l	97
78) n-propylbenzene	12.672	91	272011	22.477	ug/l	99
79) 2-Chlorotoluene	12.757	91	151428	21.925	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	193818	22.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	13420	19.311	ug/l	98
82) 4-Chlorotoluene	12.855	91	155376	21.689	ug/l	99
83) tert-Butylbenzene	13.074	119	161770	21.766	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	191743	22.815	ug/l	99
85) sec-Butylbenzene	13.251	105	244448	22.085	ug/l	100
86) p-Isopropyltoluene	13.367	119	208127	22.592	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	104189	21.958	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	102067	21.643	ug/l	99
89) n-Butylbenzene	13.696	91	184858	22.073	ug/l	100
90) Hexachloroethane	13.958	117	38763	21.175	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	92178	21.588	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6390	18.636	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	52257	20.984	ug/l	98
94) Hexachlorobutadiene	15.111	225	35039	22.144	ug/l	100
95) Naphthalene	15.239	128	91320	18.933	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	43997	20.453	ug/l	98

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

