

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002935.D
 Acq On : 19 Jun 2020 13:38
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:06:52 PM

Quant Time: Jun 19 14:36:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 14:17:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	353260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	517135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	479624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	257471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	54984	18.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.30%	
35) Dibromofluoromethane	7.72	113	56057	18.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.88%	
50) Toluene-d8	10.18	98	220503	18.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.96%	
62) 4-Bromofluorobenzene	12.48	95	76706	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	37514	16.737	ug/l	100
3) Chloromethane	2.12	50	43707	17.004	ug/l	94
4) Vinyl Chloride	2.26	62	47425	17.432	ug/l	94
5) Bromomethane	2.65	94	34611	16.622	ug/l	98
6) Chloroethane	2.79	64	31565	17.841	ug/l	98
7) Trichlorofluoromethane	3.13	101	90742	18.357	ug/l	99
8) Diethyl Ether	3.54	74	32227	18.183	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	56233	18.868	ug/l	98
10) Methyl Iodide	4.10	142	72861	18.445	ug/l	100
11) Tert butyl alcohol	4.96	59	34420	90.996	ug/l	98
12) 1,1-Dichloroethene	3.88	96	53797	18.309	ug/l	97
13) Acrolein	3.74	56	27984	98.716	ug/l	99
14) Allyl chloride	4.49	41	77788	18.387	ug/l	99
15) Acrylonitrile	5.18	53	81374	95.192	ug/l	99
16) Acetone	3.96	43	64423	89.205	ug/l	98
17) Carbon Disulfide	4.20	76	143181	16.932	ug/l	99
18) Methyl Acetate	4.49	43	40295	17.594	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	152850	19.114	ug/l	98
20) Methylene Chloride	4.72	84	73430	13.723	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	59339	18.179	ug/l	94
22) Diisopropyl ether	6.13	45	167712	19.158	ug/l	98
23) Vinyl Acetate	6.07	43	535550	97.551	ug/l	99
24) 1,1-Dichloroethane	6.03	63	96854	18.786	ug/l	98
25) 2-Butanone	6.99	43	101784	93.809	ug/l	99
26) 2,2-Dichloropropane	6.99	77	90082	18.397	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	68493	18.707	ug/l	99
28) Bromochloromethane	7.34	49	39963	18.642	ug/l	100
29) Tetrahydrofuran	7.36	42	65927	94.224	ug/l	99
30) Chloroform	7.52	83	102763	19.018	ug/l	99
31) Cyclohexane	7.79	56	90337	17.742	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	93582	18.882	ug/l	99
36) 1,1-Dichloropropene	7.92	75	77695	18.541	ug/l	99
37) Ethyl Acetate	7.08	43	44552	18.911	ug/l	99
38) Carbon Tetrachloride	7.91	117	86870	18.864	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	99879	18.283	ug/l	96
40) Benzene	8.17	78	234086	18.689	ug/l	98
41) Methacrylonitrile	7.32	41	21212m	9.956	ug/l	
42) 1,2-Dichloroethane	8.25	62	66106	18.978	ug/l	99
43) Isopropyl Acetate	8.28	43	82329	19.076	ug/l	99
44) Trichloroethene	8.94	130	72783	18.700	ug/l	99
45) 1,2-Dichloropropane	9.22	63	57388	19.000	ug/l	98
46) Dibromomethane	9.31	93	33563	18.615	ug/l	99
47) Bromodichloromethane	9.50	83	79775	19.129	ug/l	97
48) Methyl methacrylate	9.30	41	37064	19.308	ug/l	99
49) 1,4-Dioxane	9.30	88	10368	398.036	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	221222	95.957	ug/l	100
52) Toluene	10.24	92	152781	18.870	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	86451	19.137	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	97889	19.100	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	51421	19.053	ug/l	97
56) Ethyl methacrylate	10.51	69	68015	19.133	ug/l	99
57) 1,3-Dichloropropane	10.79	76	85538	18.989	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	162882	91.578	ug/l	100
59) 2-Hexanone	10.83	43	156542	97.162	ug/l	99
60) Dibromochloromethane	10.99	129	66506	19.514	ug/l	99
61) 1,2-Dibromoethane	11.09	107	50191	18.855	ug/l	100
64) Tetrachloroethene	10.72	164	75668	18.634	ug/l	98
65) Chlorobenzene	11.52	112	173949	19.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	66839	19.496	ug/l	100
67) Ethyl Benzene	11.59	91	299982	19.188	ug/l	100
68) m/p-Xylenes	11.70	106	231056	38.040	ug/l	100
69) o-Xylene	12.03	106	110048	19.218	ug/l	98
70) Styrene	12.04	104	190954	19.365	ug/l	99
71) Bromoform	12.20	173	44530	19.494	ug/l #	98
73) Isopropylbenzene	12.33	105	304661	19.384	ug/l	99
74) N-amyl acetate	12.14	43	77784	19.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	56463	19.374	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	44034m	12.058	ug/l	
77) Bromobenzene	12.61	156	79413	19.230	ug/l	99
78) n-propylbenzene	12.67	91	352056	19.253	ug/l	100
79) 2-Chlorotoluene	12.75	91	196248	19.151	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	253845	19.372	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	21757	18.891	ug/l	96
82) 4-Chlorotoluene	12.85	91	206167	19.070	ug/l	100
83) tert-Butylbenzene	13.07	119	228625	19.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	258079	19.490	ug/l	99
85) sec-Butylbenzene	13.25	105	312055	19.336	ug/l	100
86) p-Isopropyltoluene	13.37	119	292393	19.390	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	151136	19.271	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	151541	19.269	ug/l	99
89) n-Butylbenzene	13.69	91	265526	19.399	ug/l	99
90) Hexachloroethane	13.96	117	53953	19.349	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	138139	19.314	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10877	19.901	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	103613	19.334	ug/l	99
94) Hexachlorobutadiene	15.11	225	61068	19.495	ug/l	99
95) Naphthalene	15.23	128	203551	19.427	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	93408	19.562	ug/l	100

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

